LISTING OF THE CLAIMS

The listing of claims set forth below will replace all prior versions and listings of claims in the application.

1-4. (Canceled)

5. (Currently amended) An injection moulded article produced from a bimodal ~~multimodal~~ polyethylene composition having a MWD of 2 to 10 and a density of 905 to 930 kg/m^3 ~~and~~ comprising ~~as comonomers to ethylene at least two C_{4-12} alpha olefins~~

(a) a lower molecular weight polymer which is a binary copolymer of ethylene and 1-butene, and

(b) a higher molecular weight polymer which is either a binary copolymer of ethylene and 1-hexene, or a terpolymer of ethylene, 1-butene and a C_6 to C_{12} alpha-olefin.

6. (Currently amended) An injection moulded article produced from a bimodal ~~multimodal~~ polyethylene composition having a MWD of 2 to 10 and a density of 905 to 930 kg/m^3 ~~as claimed in claim 5~~ comprising ~~a multimodal polyethylene composition comprising:~~

a) a lower molecular weight homopolymer of ethylene; and

b) a higher molecular weight terpolymer of ethylene, 1-butene and a C_5 to C_{12} alpha-olefin.

7. (Canceled)

8. (Canceled)

9. (Currently amended) An article as claimed in claim 5, wherein the ratio of components a) to b) is 60:40 to 40:60 wt%.

10. (Currently amended) An article as claimed in claim 5, wherein the bimodal ~~multimodal~~ polyethylene composition has a MWD of from 2 to 8.

11. (Canceled)

12. (Currently amended) An article as claimed in claim 5, wherein the bimodal ~~multimodal~~ polyethylene composition has an impact strength (IS0179 at 23 °C) of at least 40 ~~kJ/m^3~~

kJ/m^2.

13. (Currently amended) An article as claimed in claim 5, wherein the bimodal ~~multimodal~~ polyethylene composition has a tensile modulus (IS0527-2) of from 60 to 400 MPa.

14. (Currently amended) An article as claimed in claim 5, wherein the bimodal ~~multimodal~~ polyethylene composition has a hexane extractable fraction (ASTM D5277) of less than 3 wt%.

15. (Currently amended) An article as claimed in claim 5, wherein the bimodal ~~multimodal~~ polyethylene composition has a level of migration measured by immersion in olive oil of less than 10 mg/dm^2.

16. (Currently amended) An article as claimed in claim 5, being medical or food packaging or a closure means.

17. (Currently amended) A process for the preparation of an injection moulded article as claimed in claim 5, comprising:

(I) polymerizing ethylene and butene ~~optionally at least one C_{4-12} alpha olefin~~ in a loop reactor in the presence of a metallocene catalyst;

(II) transferring the resulting polymer with the metallocene catalyst to a gas phase reactor and polymerizing either (a) ethylene and 1-hexene, or (b) ethylene, 1-butene and a C_6 to C_{12} ~~at least one C_{4-12}~~ alpha olefin, so as to form a bimodal ~~multimodal~~ polyethylene composition having a MWD of 2 to 10 and a density of 905 to 930 kg/m^3 ~~comprising as comonomers to ethylene at least two C_{4-12} alpha olefins~~; and

(III) injection moulding said composition.

18. (Canceled)

19. (Canceled)

20. (Currently amended) An article as claimed in claim 5, wherein said polyethylene composition comprises an ethylene/1-butene copolymer fraction and either an ethylene/1-hexene copolymer fraction or an ethylene/1-butene/1-hexene terpolymer fraction.